

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031496.D
 Acq On : 20 Sep 2022 15:23
 Operator : JC/MD
 Sample : N4608-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOWER-2

Quant Time: Sep 20 17:19:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

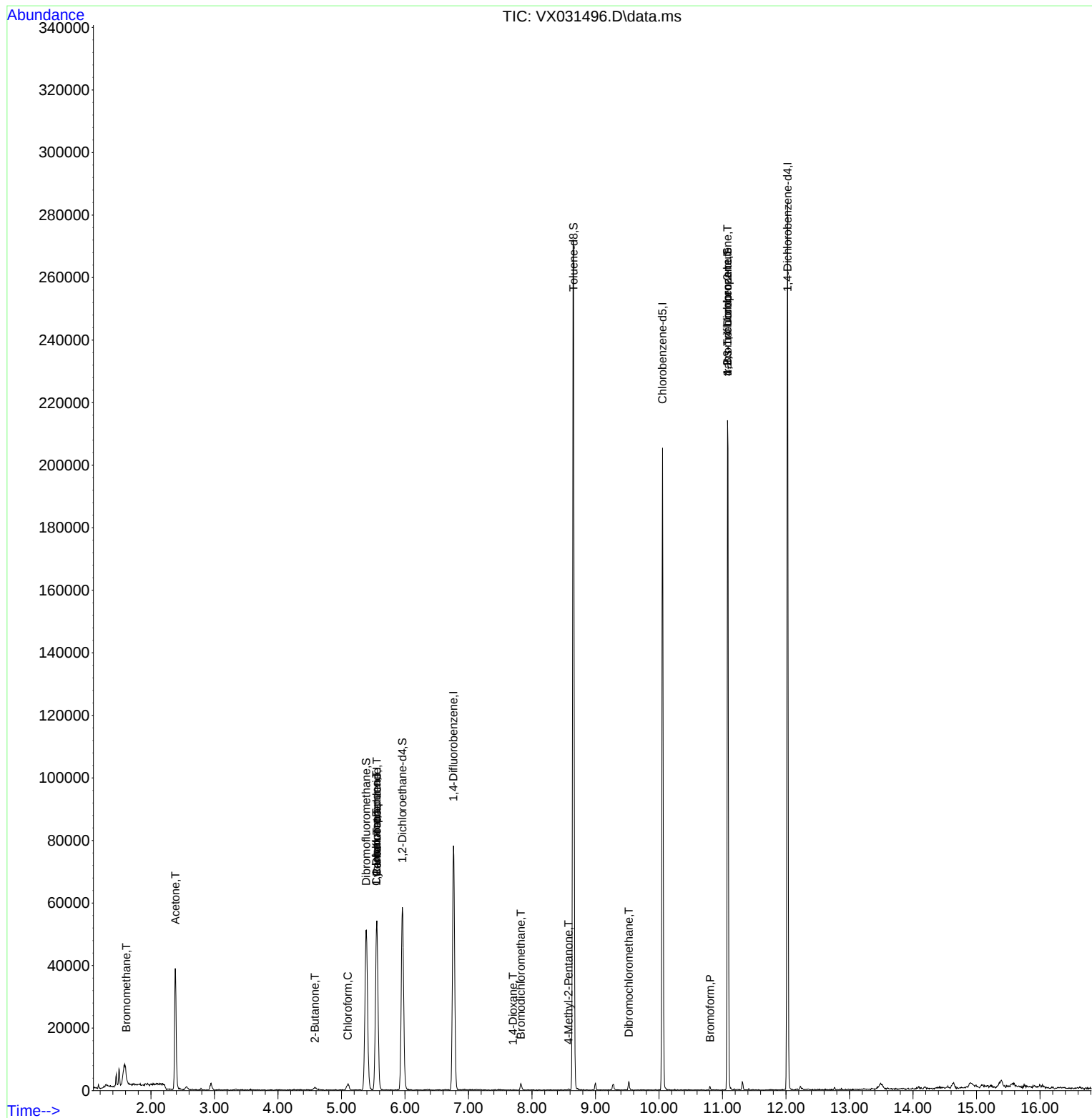
Internal Standards						
1) Pentafluorobenzene	5.556	168	51861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	81467	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	85722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51986	54.658	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.320%
35) Dibromofluoromethane	5.385	113	43239	51.370	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.740%
50) Toluene-d8	8.653	98	160883	49.568	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.140%
62) 4-Bromofluorobenzene	11.079	95	48507	44.120	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.240%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	546	0.340	ug/l #	81
6) Chloroethane	1.685	64	144	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	1348	Below Cal	#	73
13) Acrolein	2.105	56	25	Below Cal	#	1
16) Acetone	2.386	43	42818	105.960	ug/l	100
20) Methylene Chloride	2.788	84	86	Below Cal	#	75
25) 2-Butanone	4.581	43	782	1.065	ug/l #	49
30) Chloroform	5.099	83	2151	1.217	ug/l	98
31) Cyclohexane	5.550	56	1125	0.797	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	3927	3.033	ug/l #	50
38) Carbon Tetrachloride	5.556	117	5325	3.710	ug/l #	13
47) Bromodichloromethane	7.824	83	1272	0.905	ug/l #	86
49) 1,4-Dioxane	7.702	88	24	0.969	ug/l #	24
51) 4-Methyl-2-Pentanone	8.574	43	437	0.286	ug/l #	37
60) Dibromochloromethane	9.525	129	1041	0.944	ug/l	98
71) Bromoform	10.805	173	291	0.381	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.079	83	87	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	28395	23.046	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	28395	74.204	ug/l #	11

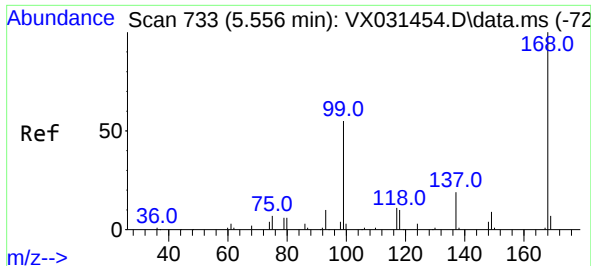
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration

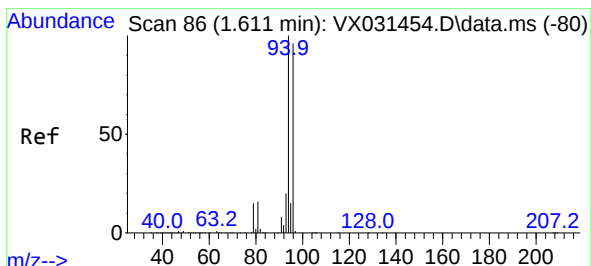
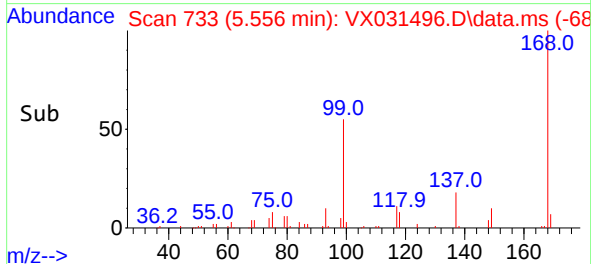
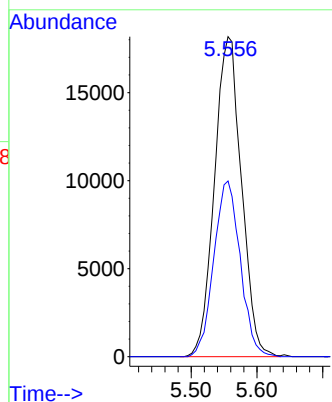
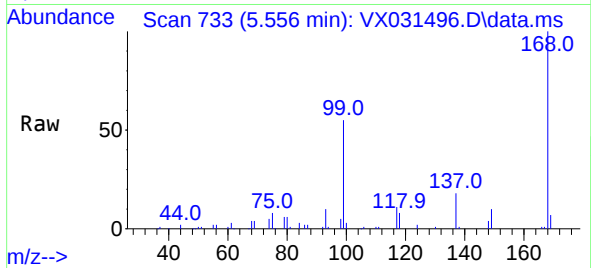




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

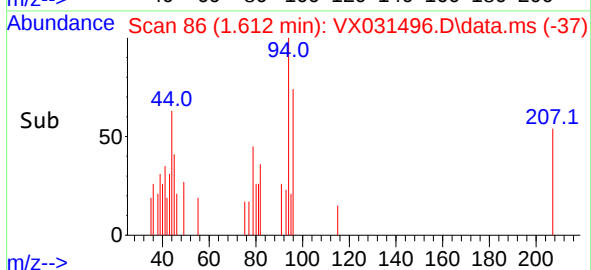
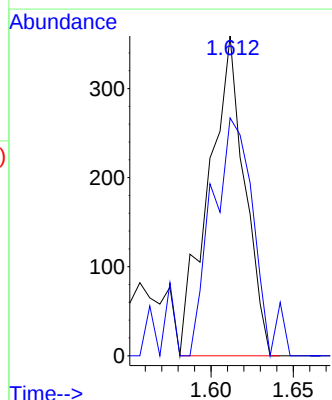
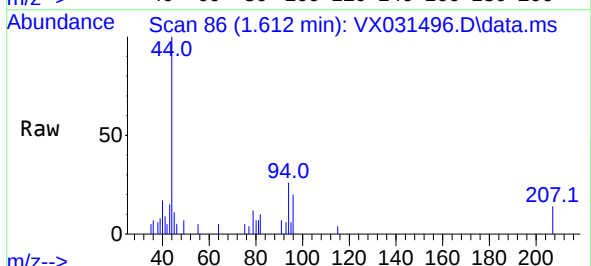
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

Tgt Ion:168 Resp: 51861
Ion Ratio Lower Upper
168 100
99 54.9 48.8 73.2

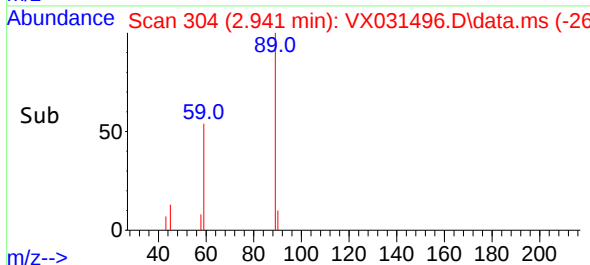
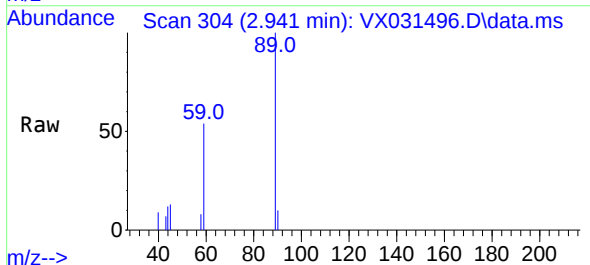
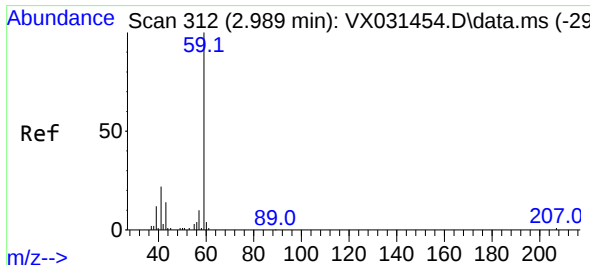
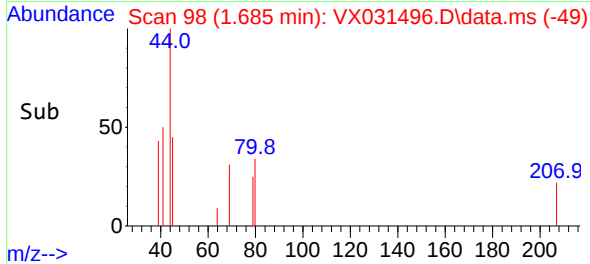
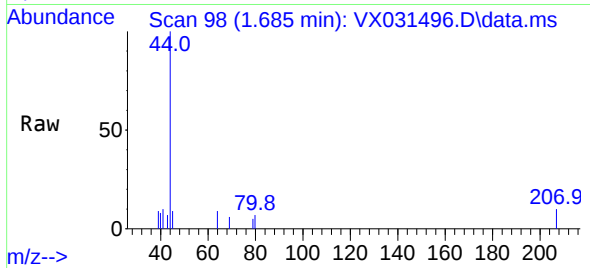
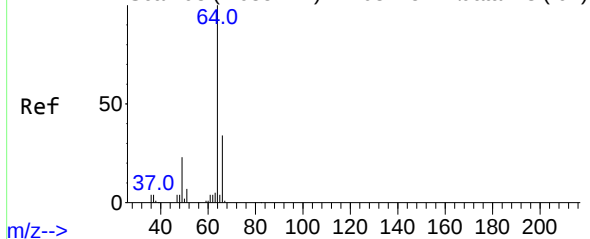


#5
Bromomethane
Concen: 0.340 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.001 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 74.4 74.4 111.6#



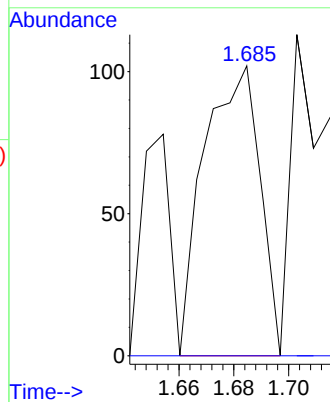
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

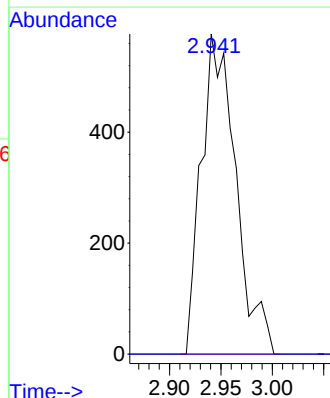
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

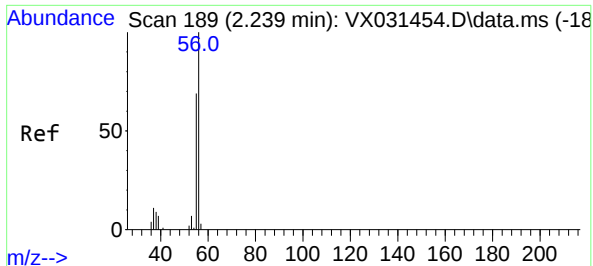
Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 59 Resp: 1348
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

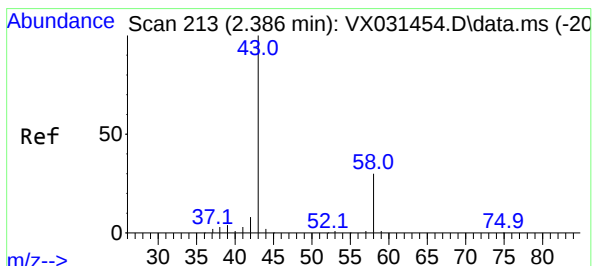
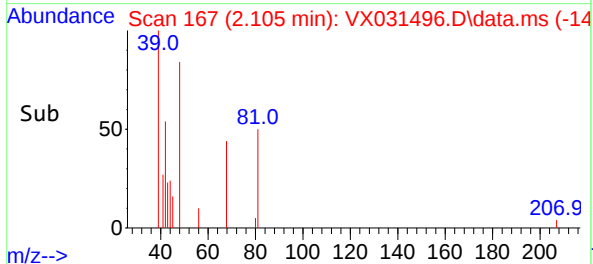
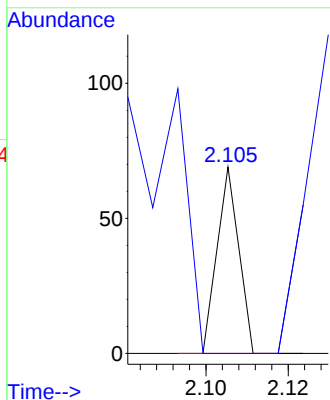
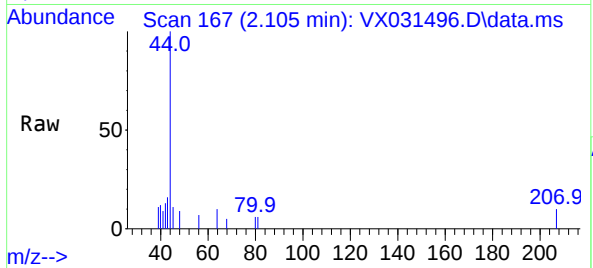




#13
Acrolein
Concen: Below Cal
RT: 2.105 min Scan# 1
Delta R.T. -0.134 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

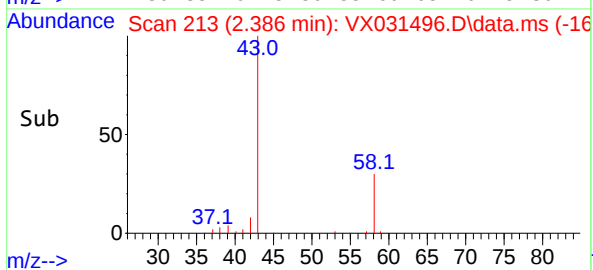
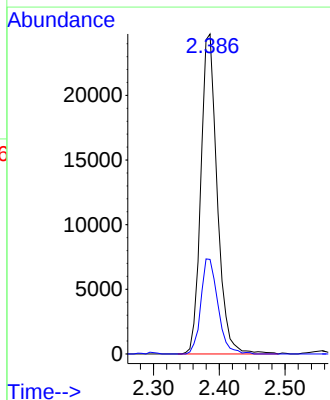
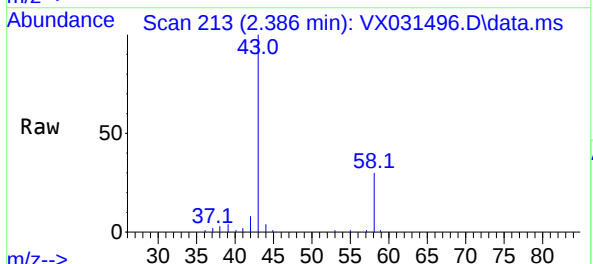
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

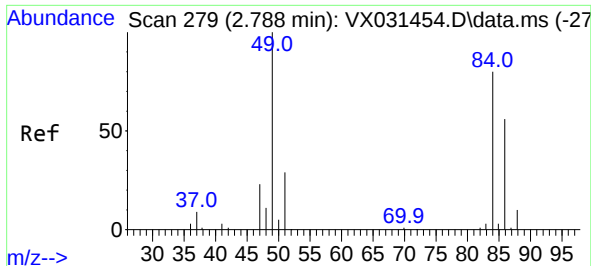
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 364.0 56.0 84.0#



#16
Acetone
Concen: 105.960 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 43 Resp: 42818
Ion Ratio Lower Upper
43 100
58 29.6 23.8 35.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031496.D

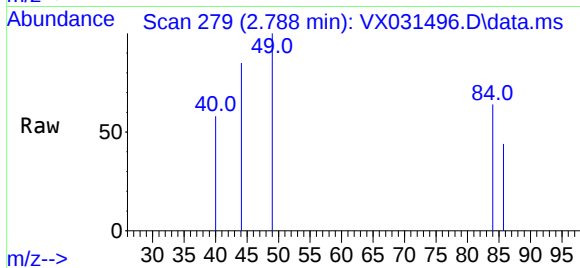
Acq: 20 Sep 2022 15:23

Instrument :

MSVOA_X

ClientSampleId :

TOWER-2



Tgt Ion: 84 Resp: 86

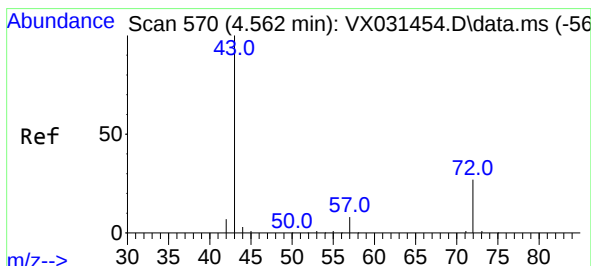
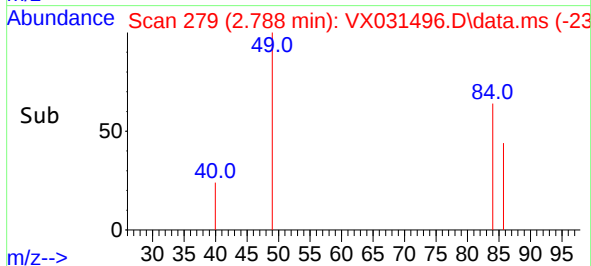
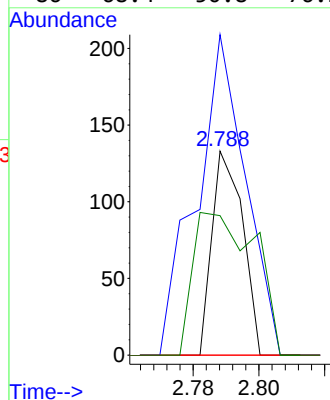
Ion Ratio Lower Upper

84 100

49 157.1 105.9 158.9

51 0.0 32.2 48.2#

86 68.4 50.8 76.2



#25

2-Butanone

Concen: 1.065 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.019 min

Lab File: VX031496.D

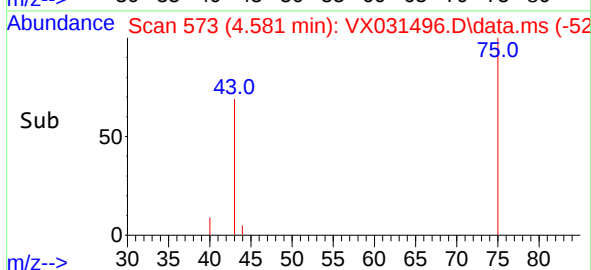
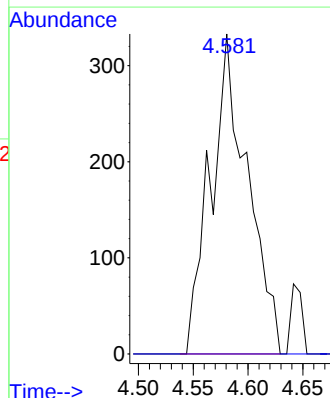
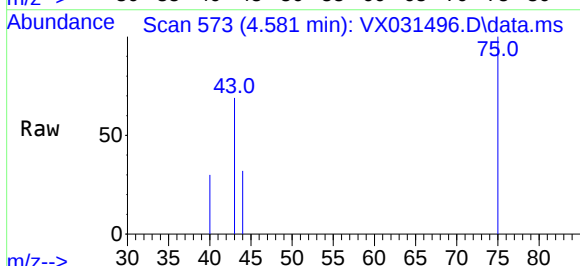
Acq: 20 Sep 2022 15:23

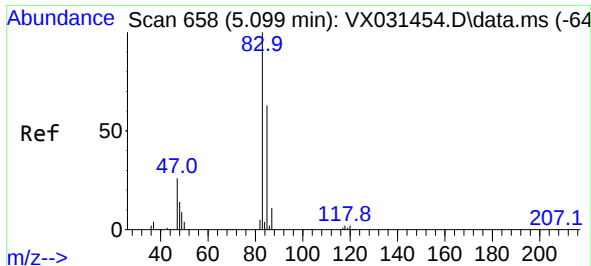
Tgt Ion: 43 Resp: 782

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#





#30

Chloroform

Concen: 1.217 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX031496.D

Acq: 20 Sep 2022 15:23

Instrument :

MSVOA_X

ClientSampleId :

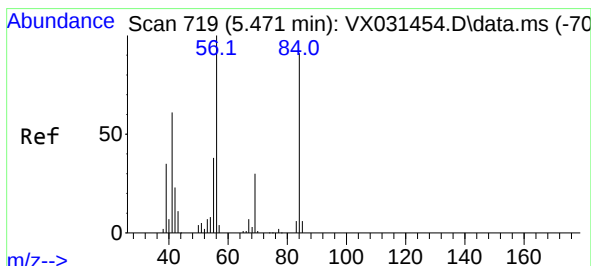
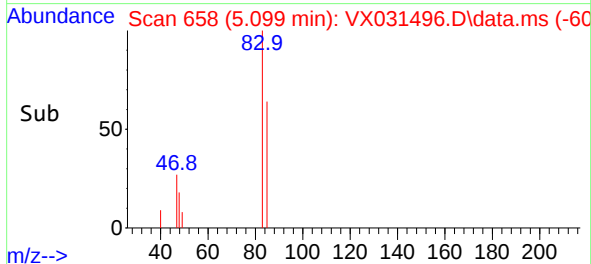
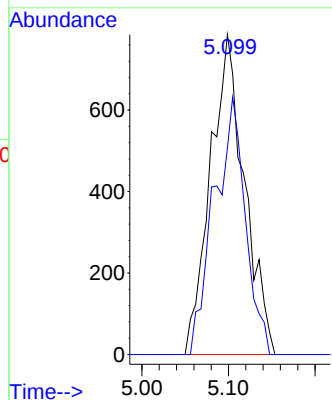
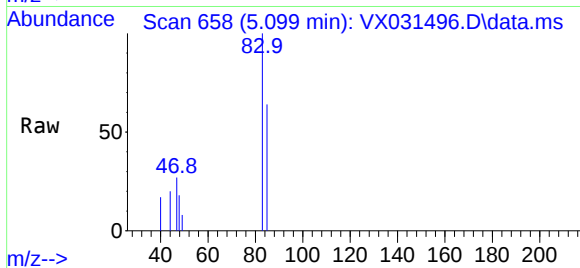
TOWER-2

Tgt Ion: 83 Resp: 2151

Ion Ratio Lower Upper

83 100

85 64.5 52.8 79.2



#31

Cyclohexane

Concen: 0.797 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX031496.D

Acq: 20 Sep 2022 15:23

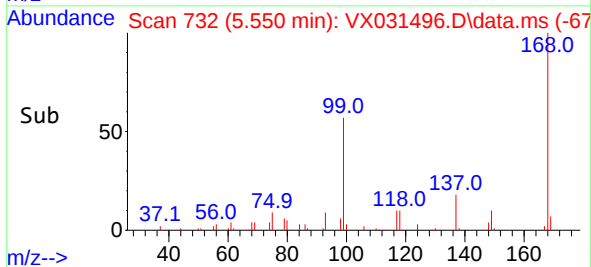
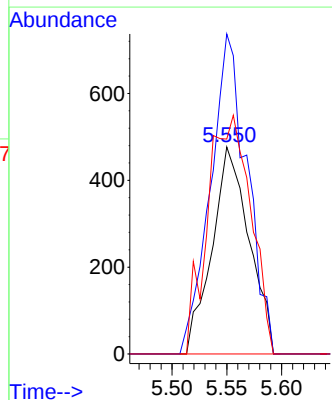
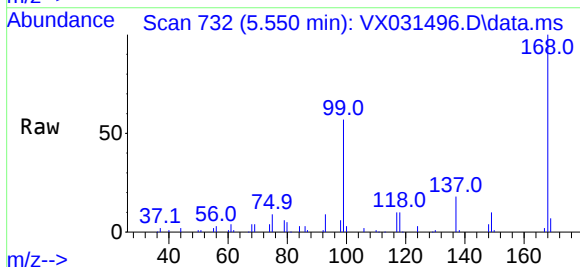
Tgt Ion: 56 Resp: 1125

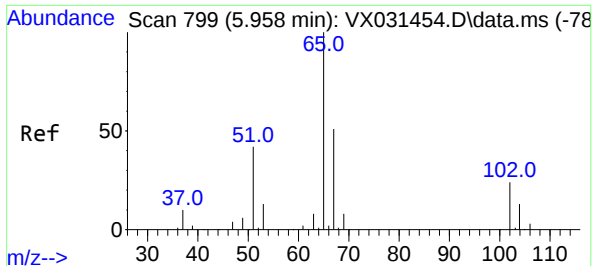
Ion Ratio Lower Upper

56 100

69 154.5 25.1 37.7#

84 103.8 70.2 105.4

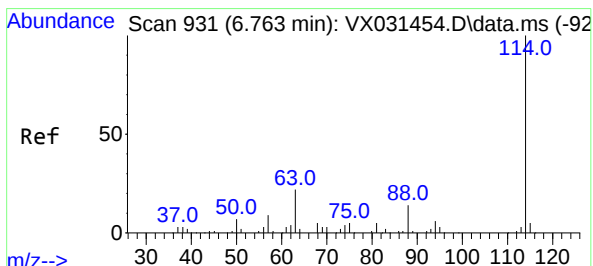
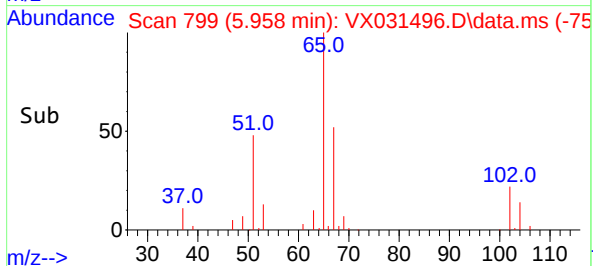
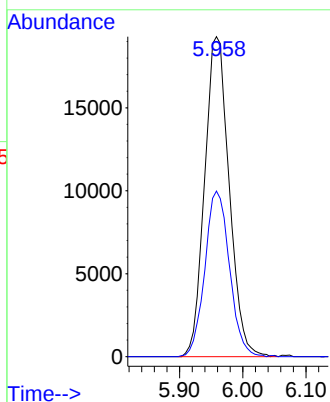
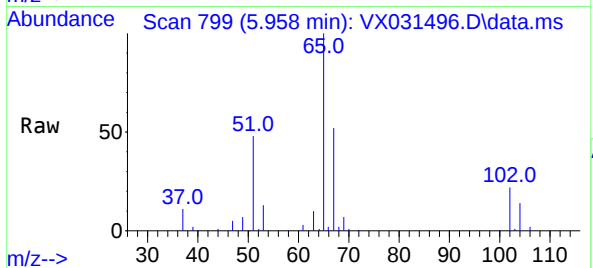




#33
1,2-Dichloroethane-d4
Concen: 54.658 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

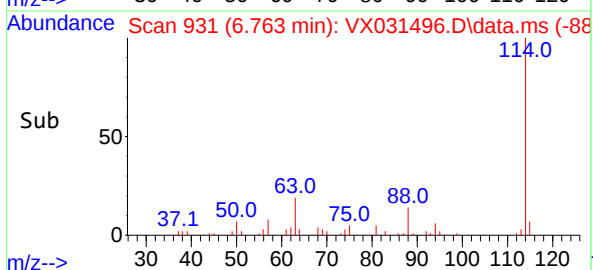
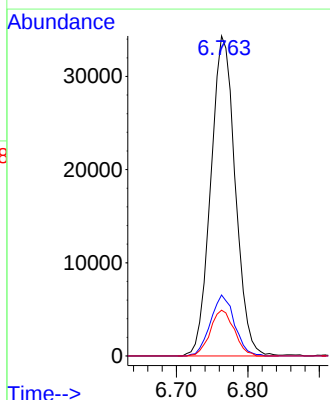
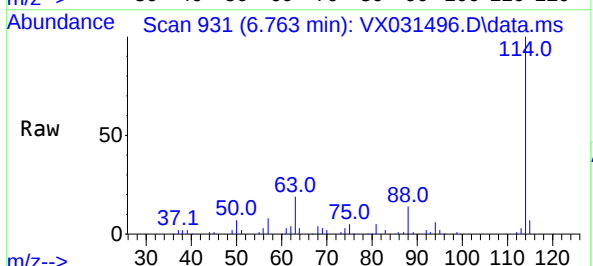
Instrument :
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TOWER-2

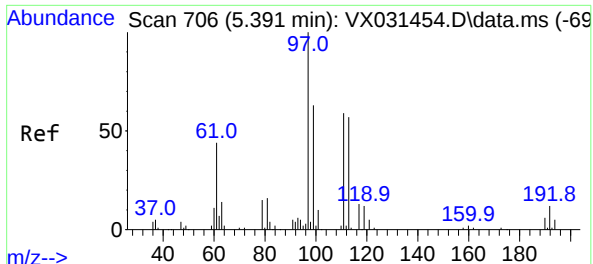
Tgt Ion: 65 Resp: 51986
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 114 Resp: 81467
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.6
88 14.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.370 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX031496.D

Acq: 20 Sep 2022 15:23

Instrument :

MSVOA_X

ClientSampleId :

TOWER-2

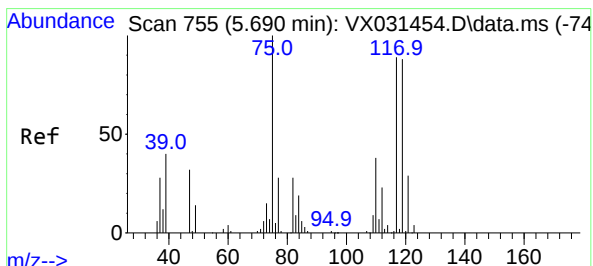
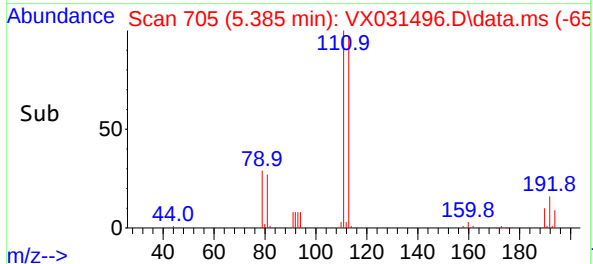
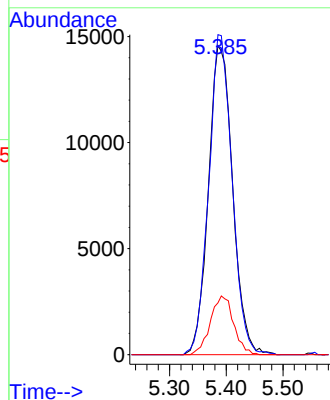
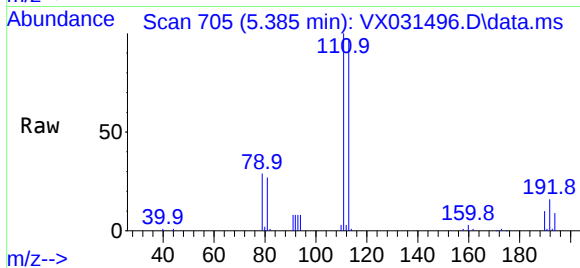
Tgt Ion:113 Resp: 43239

Ion Ratio Lower Upper

113 100

111 99.9 82.4 123.6

192 18.2 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.033 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX031496.D

Acq: 20 Sep 2022 15:23

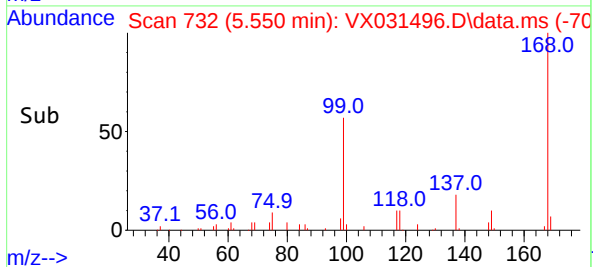
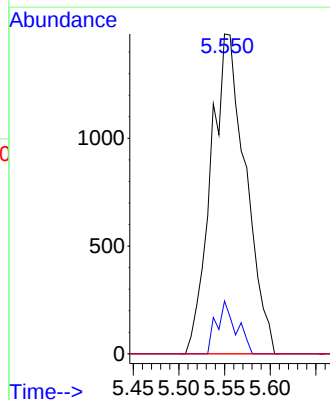
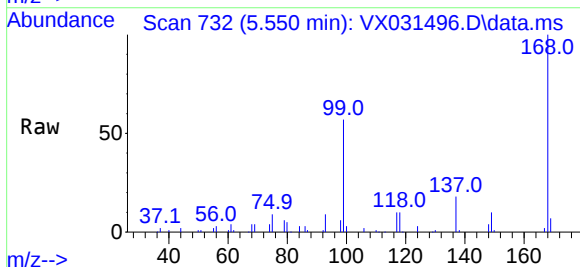
Tgt Ion: 75 Resp: 3927

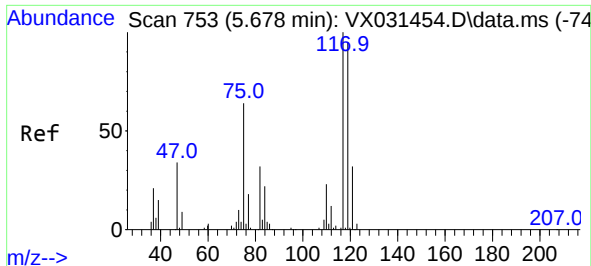
Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

77 0.0 24.9 37.3#

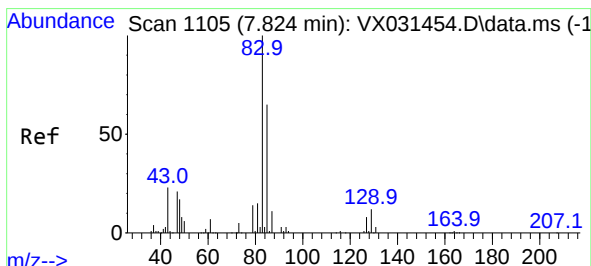
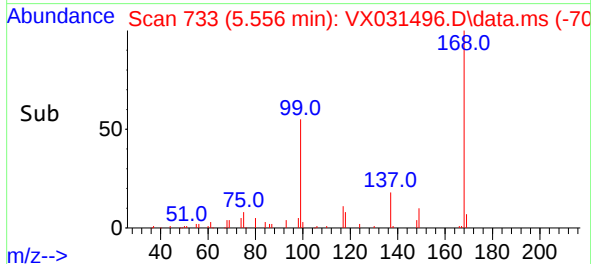
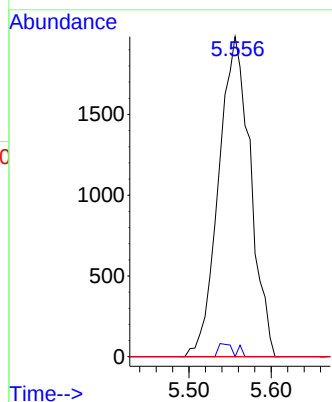
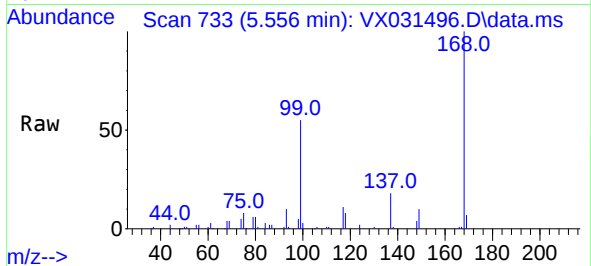




#38
Carbon Tetrachloride
Concen: 3.710 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

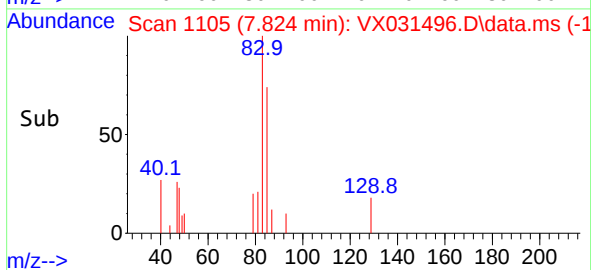
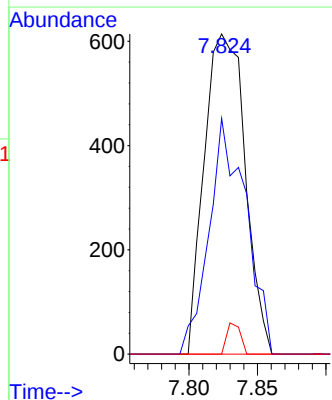
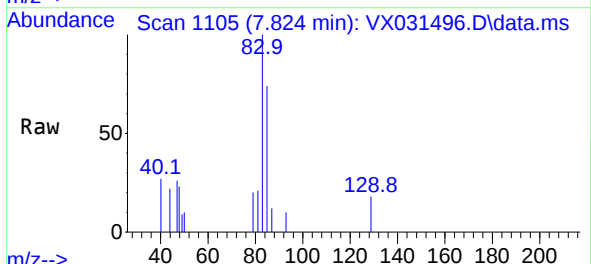
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

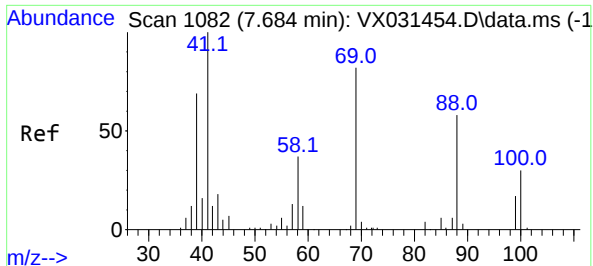
Tgt Ion:117 Resp: 5325
Ion Ratio Lower Upper
117 100
119 0.0 74.6 112.0#
121 0.0 25.3 37.9#



#47
Bromodichloromethane
Concen: 0.905 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 83 Resp: 1272
Ion Ratio Lower Upper
83 100
85 73.6 51.0 76.6
127 0.0 7.0 10.6#

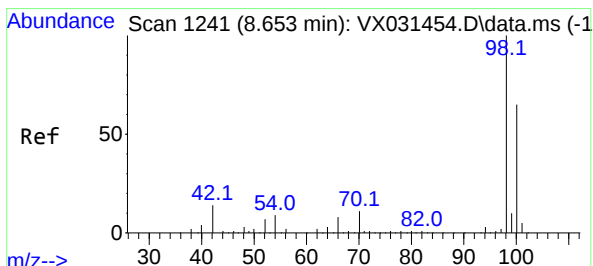
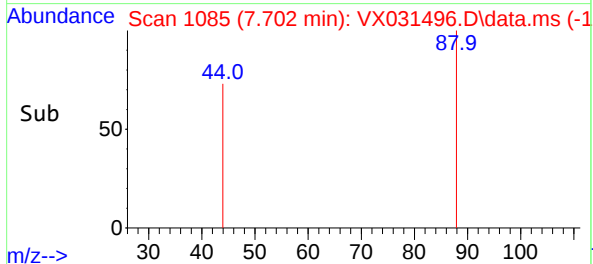
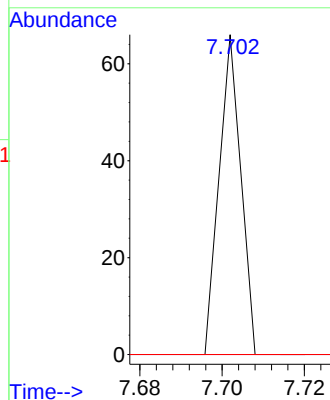
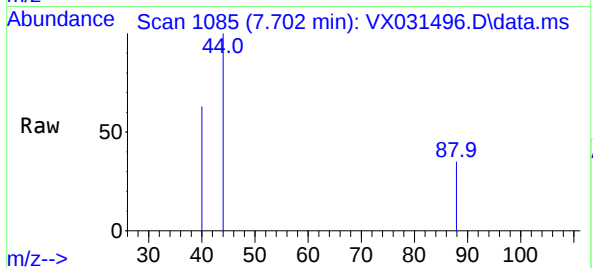




#49
1,4-Dioxane
Concen: 0.969 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.018 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

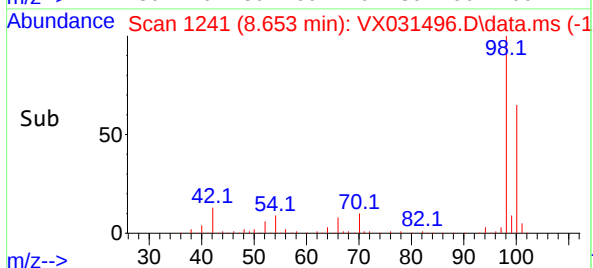
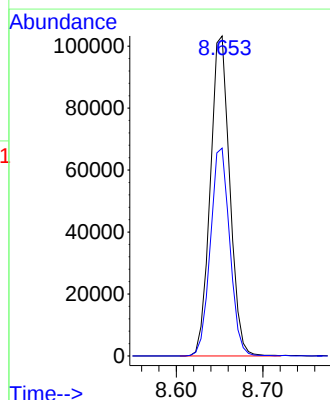
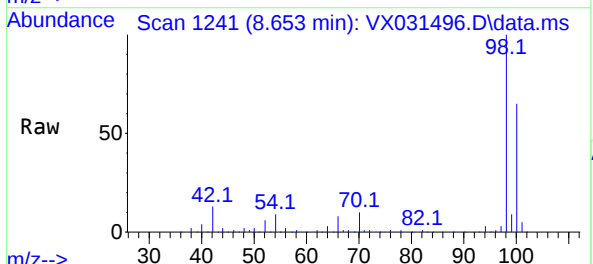
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

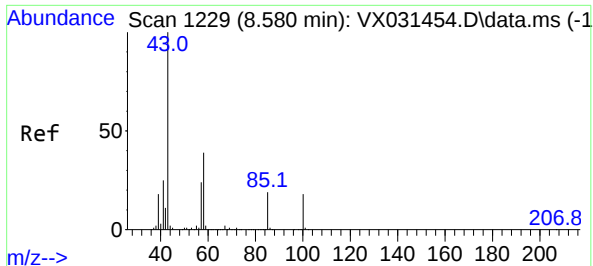
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 53.9 80.9#



#50
Toluene-d8
Concen: 49.568 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 98 Resp: 160883
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7

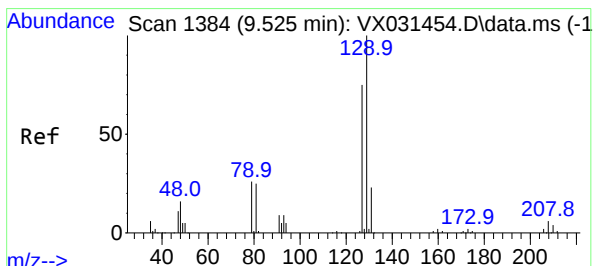
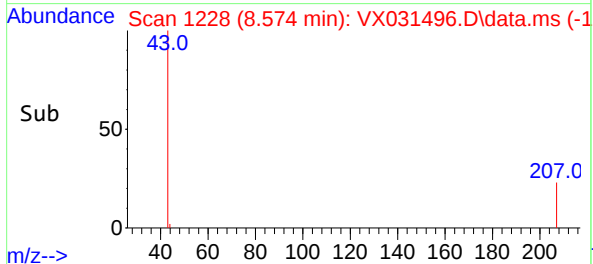
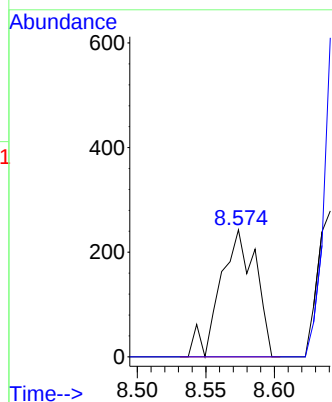
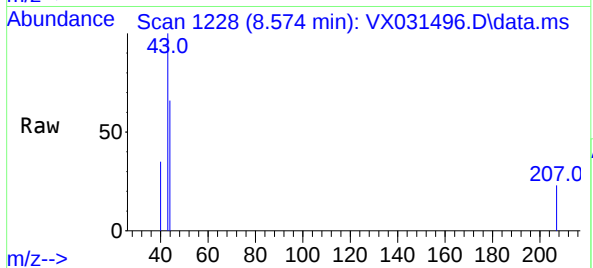




#51
4-Methyl-2-Pentanone
Concen: 0.286 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

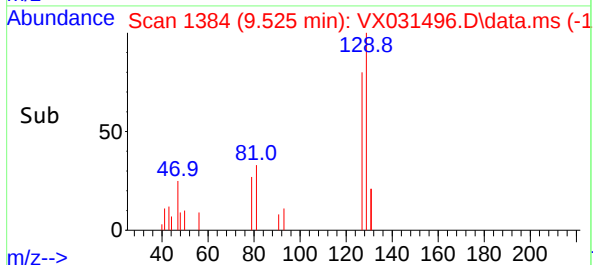
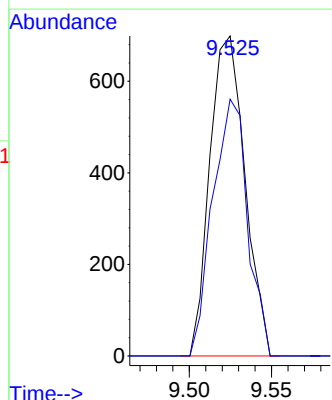
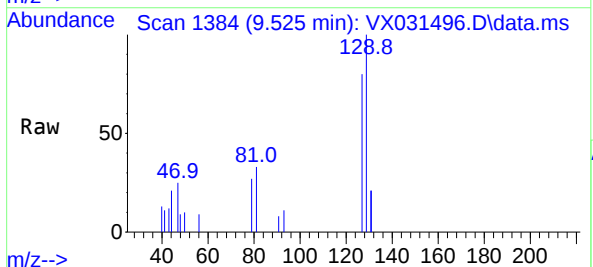
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

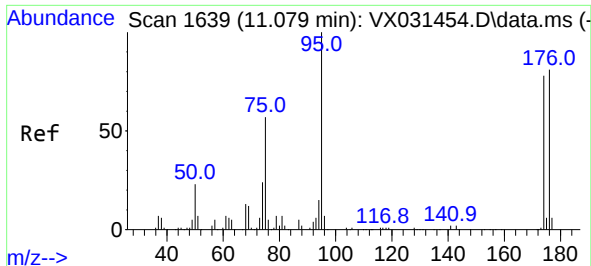
Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#



#60
Dibromochloromethane
Concen: 0.944 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 129 Resp: 1041
Ion Ratio Lower Upper
129 100
127 79.3 38.7 116.1

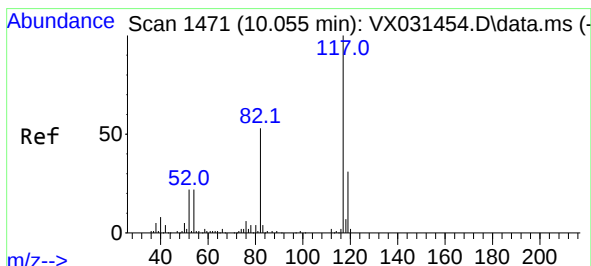
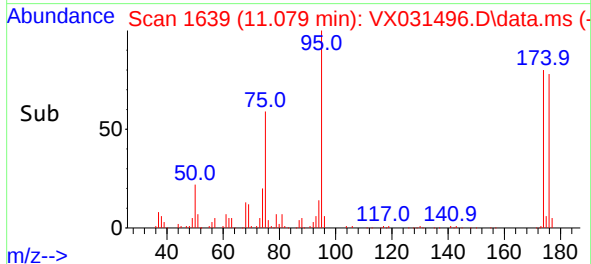
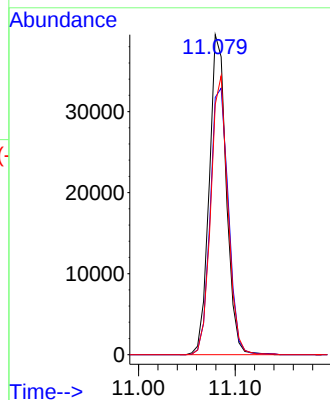
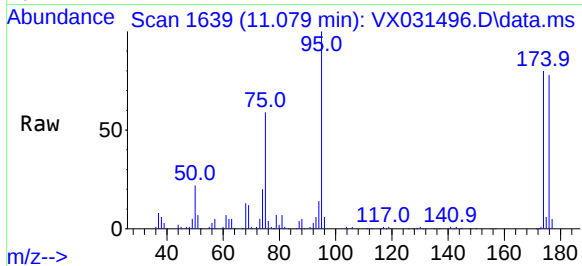




#62
4-Bromofluorobenzene
Concen: 44.120 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

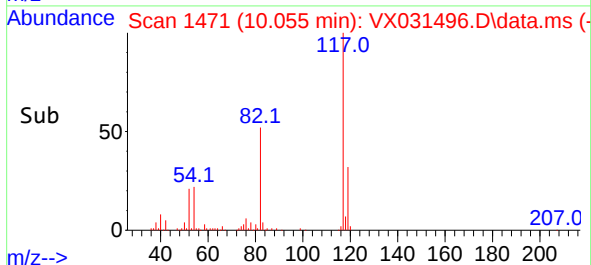
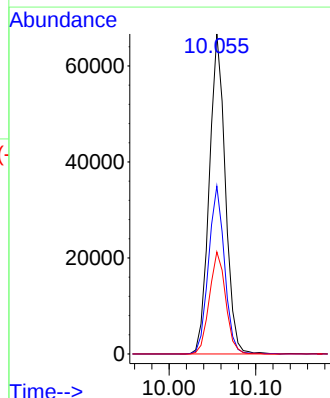
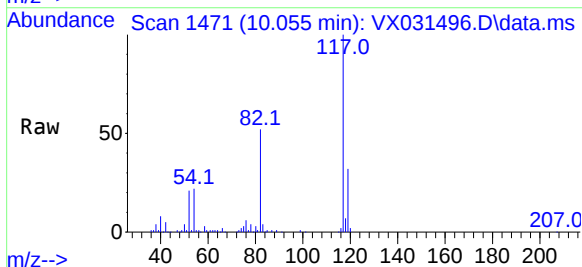
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

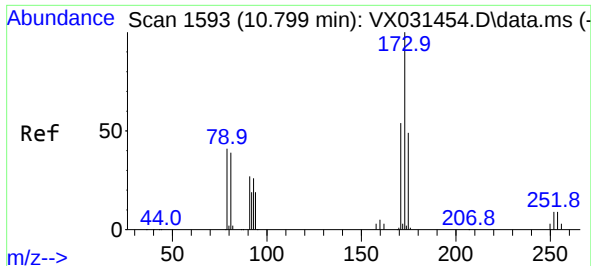
Tgt Ion: 95 Resp: 48507
Ion Ratio Lower Upper
95 100
174 88.8 0.0 153.2
176 87.2 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 117 Resp: 85722
Ion Ratio Lower Upper
117 100
82 52.4 46.8 70.2
119 31.9 26.4 39.6

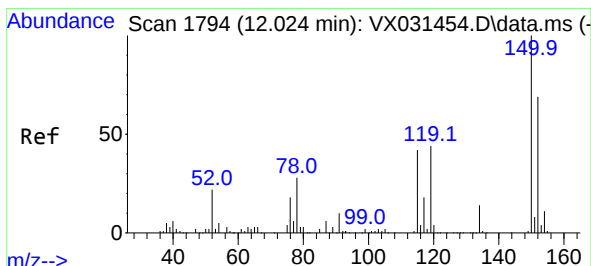
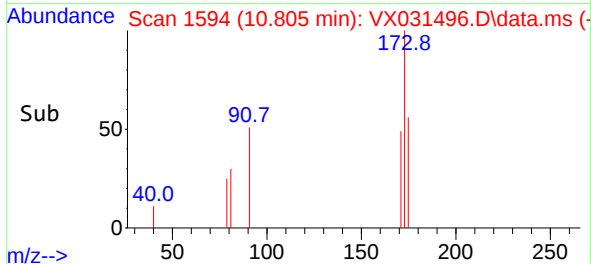
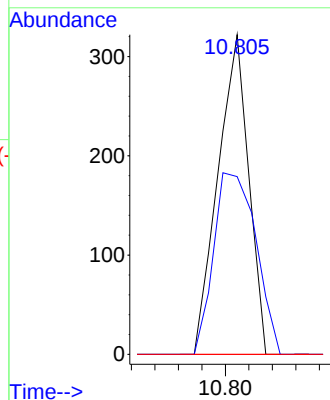
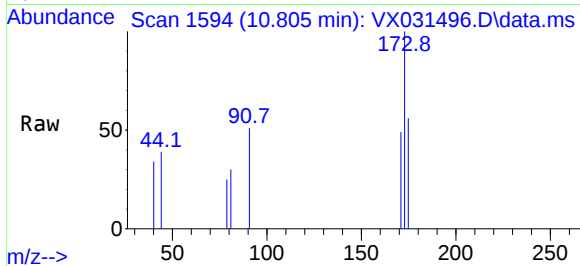




#71
Bromoform
Concen: 0.381 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

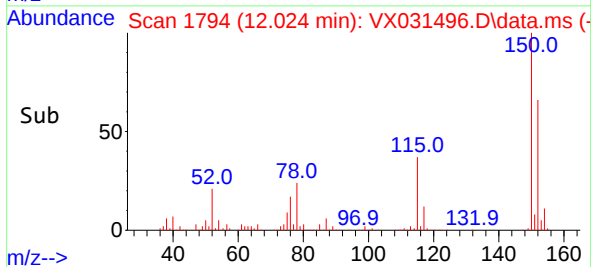
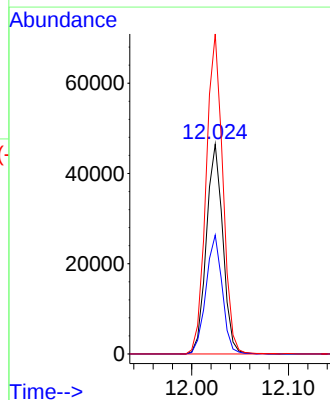
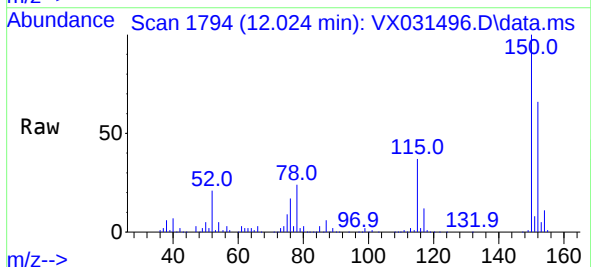
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

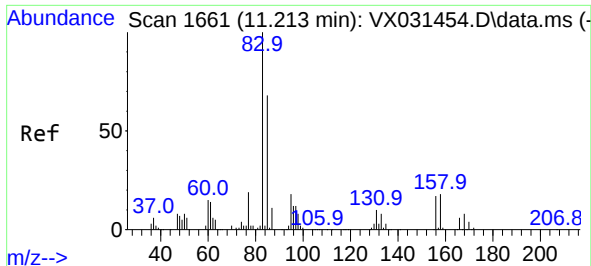
Tgt Ion:173 Resp: 291
Ion Ratio Lower Upper
173 100
175 78.7 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion:152 Resp: 55205
Ion Ratio Lower Upper
152 100
115 56.1 43.4 130.1
150 154.6 0.0 346.8

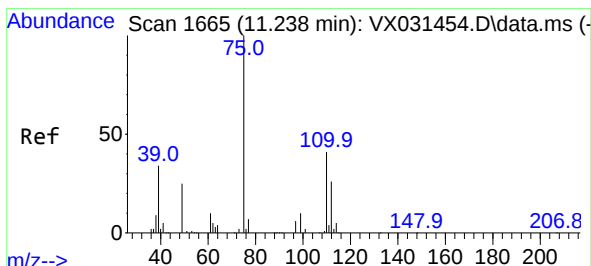
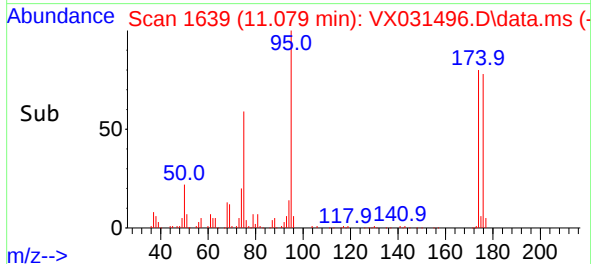
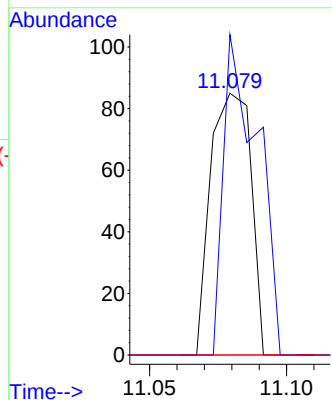
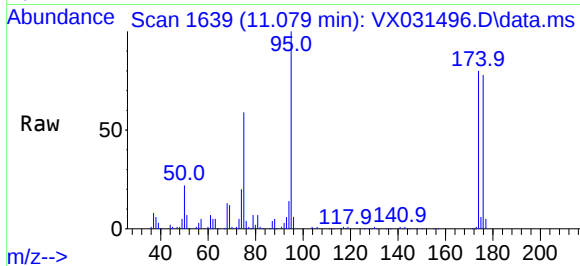




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

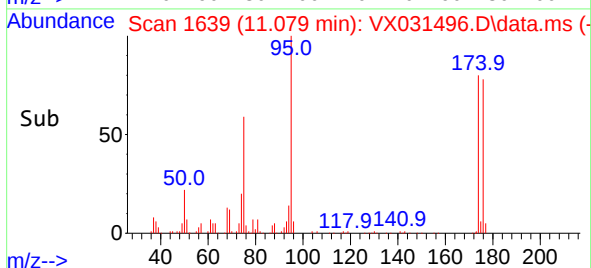
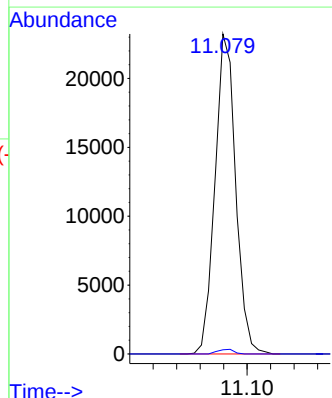
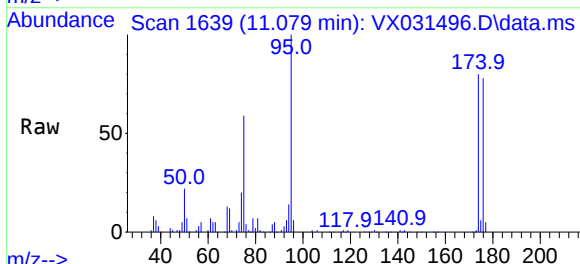
Instrument :
MSVOA_X
ClientSampleId :
TOWER-2

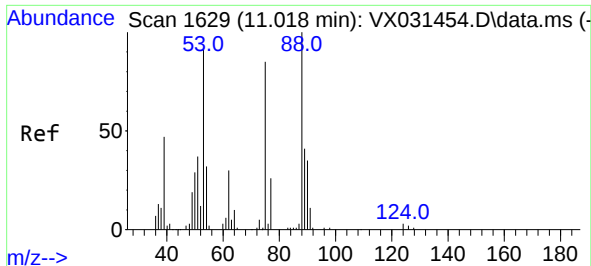
Tgt Ion: 83 Resp: 87
Ion Ratio Lower Upper
83 100
131 103.4 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 23.046 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031496.D
Acq: 20 Sep 2022 15:23

Tgt Ion: 75 Resp: 28395
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.204 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031496.D
 Acq: 20 Sep 2022 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 TOWER-2

Tgt Ion: 75 Resp: 28395
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 37.4 56.0#

